	Type	L #	Hits	Search Text	DBs	Time Stamp	Error Definition
1	BRS	L1	25691	(access$4 same data same (set or sets)) and (stor$4 same devic$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:17	
2	BRS	L2	151	1 and (flag$1 same attempt$4 same fail$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:13	
3	BRS	L3	0	2 and (mutiple$ same stor$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:15	
4	BRS	L4	111	2 and (multiple$ same stor$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:16	Truncation Overflow. Return string from Server is: 5'0'0'MUL
5	BRS	L5	2	4 and (access$4 adj data adj (set or sets)) and (stor$4 same devic$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:30	
6	BRS	L6	26	4 and (access$4 same (data adj (set or sets))) and (stor$4 same devic$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:37	
7	BRS	L7	3	6 and DASD$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/11 12:37	

	Document ID	Issue Date	Title	Current OR	Current XRef	Inventor
1	US 20010047457 A1		Digital data processor with improved paging			Kaufman, Mark A. Oliveira, Fernando
2	US 6334108 B1	20011225	Method and system for selective incentive point-of-sale marketing in response to customer shopping histories	705/14		Deaton, David W. , et al.
3	US 6332185 B1	20011218	Method and apparatus for paging data and attributes including an atomic attribute for digital data processor	711/209	711/156 ; 711/217	Kaufman, Mark A. , et al.
4	US 6272605 B1	20010807	System using priority data of a host recall request to determine whether to release non-volatile storage with another host before processing further recall requests	711/151	709/213 ; 709/214	Le, Cuong Minh , et al.
5	US 5687322 A	19971111	Method and system for selective incentive point-of-sale marketing in response to customer shopping histories	705/14		Deaton, David W. , et al.
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10	US 5282201 A	19940125	Dynamic packet routing network	370/403		Frank, Steven J. , et al.
11	US 5251308 A	19931005	Shared memory multiprocessor with data hiding and post-store	711/163		Steven J. Frank , Burkhardt, III, et al.
12	US 5226039 A	19930706	Packet routing switch	370/405		Frank, Steven J. , et al.
13	US 4656475 A	19870407	Method and apparatus for controlling distributed electrical loads	340/825.57	340/825.5	Miller, Edward B. , et al.
14	US 4598286 A	19860701	Method and apparatus for controlling distributed electrical loads	340/3.51	379/102.01	Miller, Edward B. , et al.
15	US 4535332 A	19850813	Method and apparatus for controlling distributed electrical loads	340/3.51	340/825.5 ; 714/822	Miller, Edward B. , et al.
16	US 4525780 A	19850625	Data processing system having a memory using object-based information and a protection scheme for determining access rights to such information	711/163		Bratt, Richard G. , et al.
17	US 4511895 A	19850416	Method and apparatus for controlling distributed electrical loads	340/825.5	340/825.52	Miller, Edward B. , et al.
18	US 4507751 A	19850326	Method and apparatus for logging journal data using a log write ahead data set	707/202	707/200	Gawlick, Dieter , et al.
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20	US 4489385 A	19841218	Method and apparatus for controlling distributed electrical loads	700/296	315/312 ; 324/103R	Miller, Edward B. , et al.
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22	US 4455602 A	19840619	Digital data processing system having an I/O means using unique address providing and access priority control techniques	710/5	710/39 ; 710/65	Baxter, III, Ward , et al.
23	US 4445177 A	19840424	Digital data processing system utilizing a unique arithmetic logic unit for handling uniquely identifiable addresses for operands and instructions	712/245		Bratt, Richard G. , et al.
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25	US 4367414 A	19830104	Method and apparatus for controlling distributed electrical loads	307/38		Miller, Edward B. , et al.
26	NN80034740	19800301	Space Allocation on Direct Access Storage Device. March 1980.			

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1 Information retrieval with APL by adaptive index and user   **100%**
guidance
Hans-Joerg Schek , Georg Walch
Proceedings of the APL Quote Quad conference part 1 May 1979
   A system is described applicable for information retrieval and
   update both in formatted and unformatted files containing
   non-numerical data. It uses a new reference-string indexing
   technique which supports partial-match queries and
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   data usage or data. Those parts of records which are estimated
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   included as reference strings and inverted. For data access in
   the retrieval ph ...

2 A technique for distributed execution of design automation   **100%**
tools
S. C. Hughes , D. B. Lewis , C. J. Rimkus
Proceedings of the 22nd ACM/IEEE conference on Design
automation June 1985
   The demand for computing resources to support design
   automation systems is growing dramatically due to VLSI design
   considerations. This demand has created a need for multiple

computing systems to handle the escalated execution
requirements of today's Design Automation tools. A distribution
technique for executing such tools on multiple computing
systems is discussed. The technique employs the definition of
three execution modes: interactive foreground, dissociative
foreground and batch. Cos ...

3 An open abstract-object storage system   100%
Stephen Blott , Lukas Relly , Hans-Jörg Schek
ACM SIGMOD Record , Proceedings of the 1996 ACM SIGMOD
international conference on Management of data June 1996
Volume 25 Issue 2

4 A mass storage system for supercomputers based on Unix   100%
J. Richards , T. Kummell , D. G. Zarlengo
Supercomputing '88 November 1988
   This paper presents the design, implementation and utilization
   of a large Mass Storage Subsystem (MSS) at the Numerical
   Aerodynamics Simulation (NAS) at NASA-Ames Research
   Center. The MSS supports a large networked, multi-vendor
   Unix-based supercomputing facility. The MSS at Ames Research
   Center provides all processors on the Numerical Aerodynamics
   System Processing Network (NPSN), from workstations to
   supercomputers, the ability to store large amounts of data in a
   highly accessi ...

5 Dynamic file allocation in disk arrays   100%
Gerhard Weikum , Peter Zabback , Peter Scheuermann
ACM SIGMOD Record , Proceedings of the 1991 ACM SIGMOD
international conference on Management of data April 1991
Volume 20 Issue 2

6 The TWA reservation system   100%
David Gifford , Alfred Spector
Communications of the ACM July 1984
Volume 27 Issue 7
   Where can you find a solid, forthright overview of the computer
   systems and management behind airline reservations? NASA's
   space shuttle? Or any of the multitude of other large computer
   systems that support important projects or national activities?
   It's hard, sometimes impossible: partly because the people who
   worked on such systems often do not have the time to write
   about their experiences: and partly because many professional

journalists who interview these people do not have the techni ...

7 EAS-E   100%
A. Malhotra , H. M. Markowitz , D. P. Pazel
ACM Transactions on Database Systems (TODS) December 1983
Volume 8 Issue 4
> EAS-E (pronounced EASY) is an experimental programming
> language integrated with a database management system now
> running on VM/370 at the IBM Thomas J. Watson Research
> Center. The EAS-E programming language is built around the
> entity, attribute, and set (EAS) view of application
> development. It provides a means for translating operations on
> EAS structures directly into executable code. EAS-E commands
> have an English-like syntax, and thus EAS-E programs are ...

8 Extensible query processing in starburst   100%
L. M. Haas , J. C. Freytag , G. M. Lohman , H. Pirahesh
ACM SIGMOD Record , Proceedings of the 1989 ACM SIGMOD
international conference on Management of data June 1989
Volume 18 Issue 2
> Today's DBMSs are unable to support the increasing demands of
> the various applications that would like to use a DBMS. Each
> kind of application poses new requirements for the DBMS. The
> Starburst project at IBM's Almaden Research Center aims to
> extend relational DBMS technology to bridge this gap between
> applications and the DBMS. While providing a full function
> relational system to enable sharing across applications,
> Starburst will also allow (sophisticated) programmers to add
> many kinds of ...

9 Economic analysis of microcomputer hardware   99%
Brian D. Lynch , H. Raghav Rao , Winston T. Lin
Communications of the ACM October 1990
Volume 33 Issue 10
> Economic analysis of the hardware characteristics of the
> personal computer segment of the microcomputer market
> indicates that the variables that most affect cost are the bundle
> of attributes offered by the micros. Interestingly, certain
> technological characteristics found to be important explanatory
> variables for cost in larger computers were not found to be
> significant for micros.

10 Office documents on a database kernel—filing, retrieval, 99%

and archiving
P. Zabback , H. B. Paul , U. Deppisch
ACM SIGOIS Bulletin , Proceedings of the conference on Office
information systems March 1990
Volume 11 Issue 2-3

> One of the main component of integrated office systems is the large central filing system. It efficiently stores, retrieves and searches office documents containing text, images, graphics, data and voice. We propose to implement a filing system on top of the Darmstadt database system (DASDBS), which is designed as a data management kernel for both standard and non-standard applications. This paper investigates the choice of appropriate storage structures for the filing system objects and th ...

11 The EAS-E application development system   98%
Harry M. Markowitz , Ashok Malhotra , Donald P. Pazel
Communications of the ACM August 1984
Volume 27 Issue 8

> EAS-E is based on the entity-attribute-set view of system description—a useful formalism for system modeling and planning even when programming is done in languages other than EAS-E.

12 The process-flow model   93%
Gregory R. Ganger , Yale N. Patt
ACM SIGMETRICS Performance Evaluation Review , Proceedings of
the 1993 ACM SIGMETRICS conference on Measurement and
modeling of computer systems June 1993
Volume 21 Issue 1

13 Multi-level recovery   91%
Gerhard Weikum , Christof Hasse , Peter Broessler , Peter Muth
Proceedings of the ninth ACM SIGACT-SIGMOD-SIGART symposium
on Principles of database systems April 1990

> Multi-level transactions have received considerable attention as a framework for high-performance concurrency control methods. An inherent property of multi-level transactions is the need for compensating actions, since state-based recovery methods do no longer work correctly for transaction undo. The resulting requirement of operation logging adds to the complexity of crash recovery. In addition, multi-level recovery algorithms have to take into account that high-level actions are not nece ...

14 The Segment Based File Support System   87%

Richard M. Kogut

Proceedings of the workshop on virtual computer systems March 1973

   This paper describes the Segment Based File Support System (SBFSS) which was designed and implemented by Robert g. Munck and the author, both of Brown University. SBFSS is an extension to IBM's CP-67/CMS virtual machine operating system for the IBM 360/67 computer. Its primary purpose is to allow CP to allocate more efficiently its direct access device (DASD) resources among a large number of users. Other advantages include improved response time, greater flexibility in sharing processors a ...

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2 **High-performance extendable instruction set computing**
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Additional Classification:
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